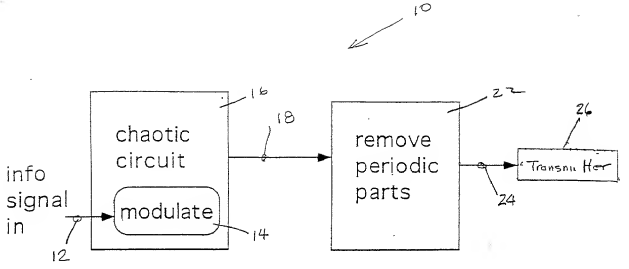
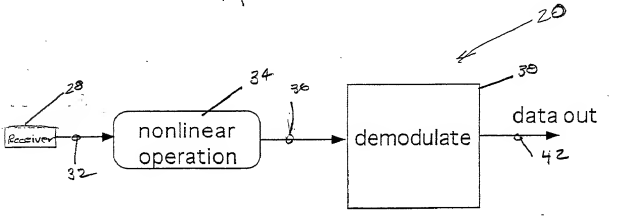


generating chaotic signal

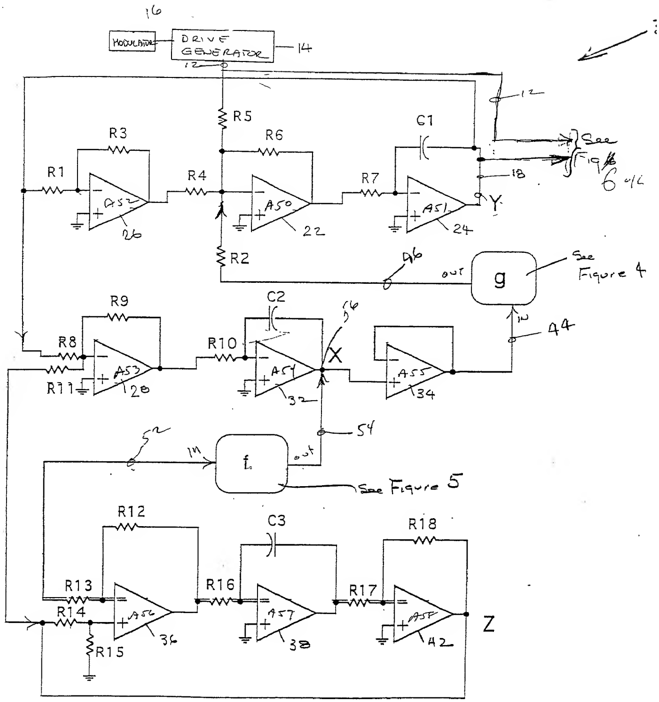
Figure 1(a)



demodulating chaotic signal

Figure 1(b)

Fig 3



Nonautonomous Duffing Chaotic Circuit

Fig 2

Figure 3(a)

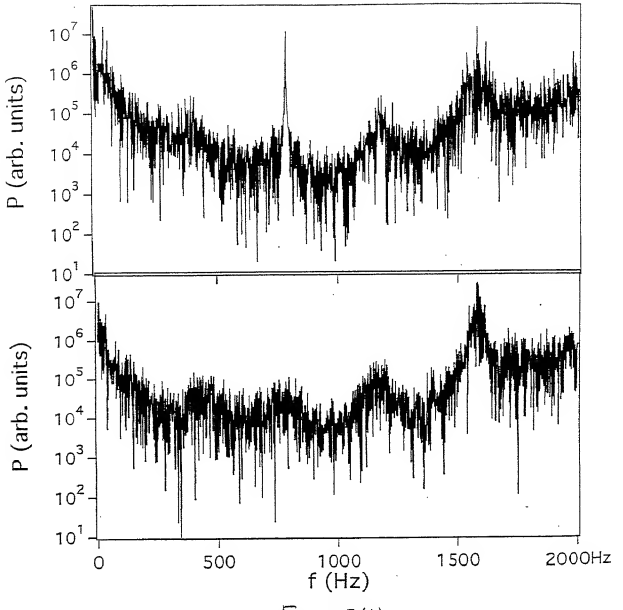
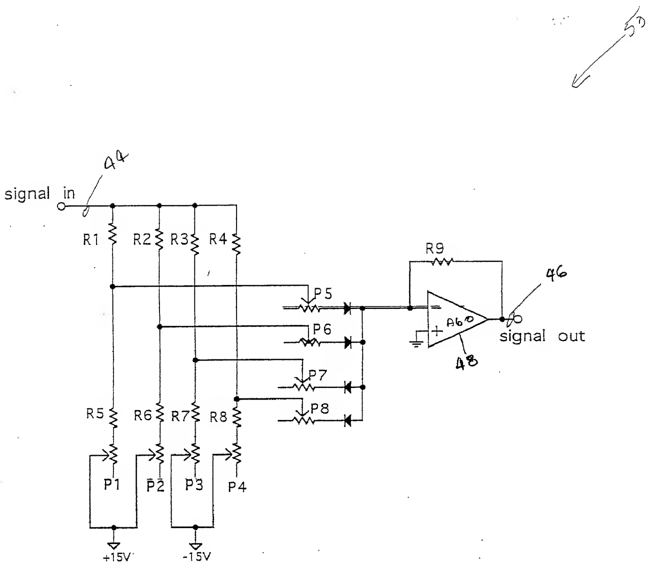
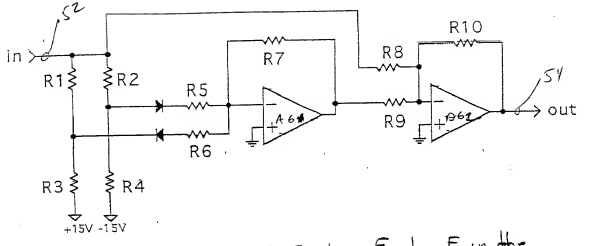


Figure 3(b)



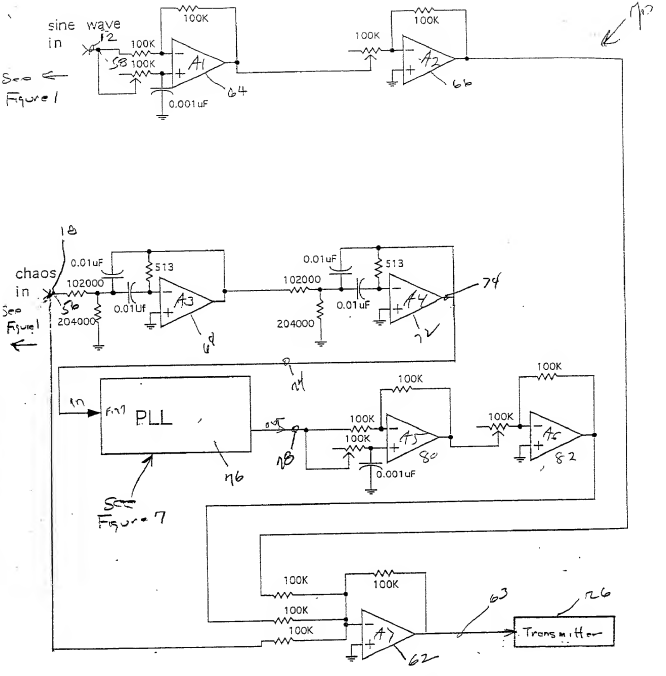
Circuit used to Create a Function G in the Chaotic Duffing Circuit

Fig 4



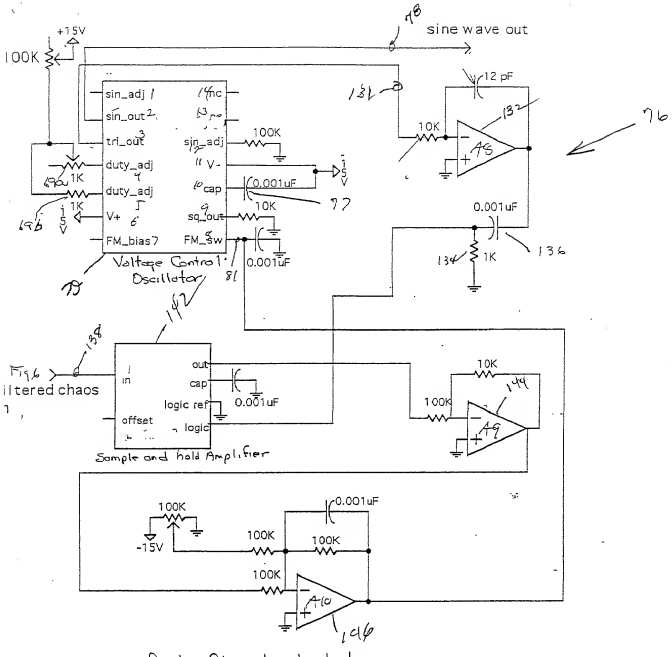
Circuit to Create a Function F in the Chaotic Duffing Circuit

Fig 9



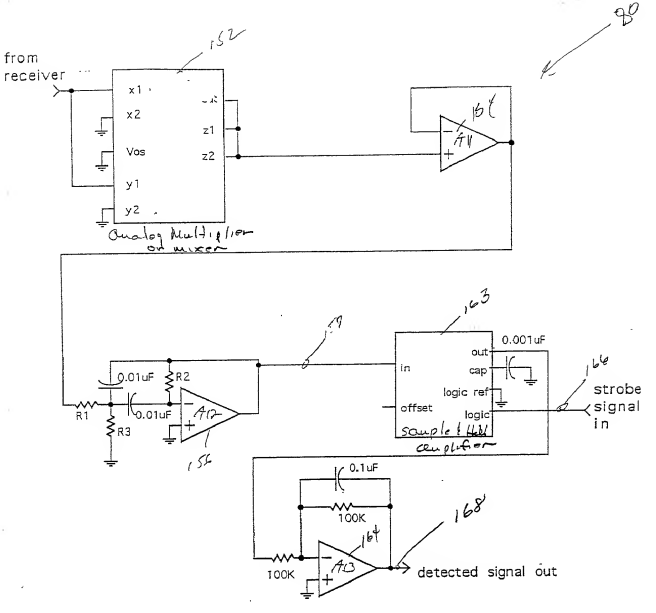
Circuit Used to Subtract the Periodic Parts from the Chaotic Duffing "y" Signal

Figure 6



Analog Phase Locked Loop

Figure 7



Circuit in Receiver that Restores the Periodic Part of the Chaotic Signal

Figure 8

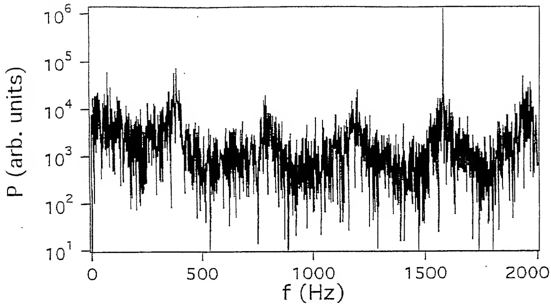


Figure 9

Figure 10(a)

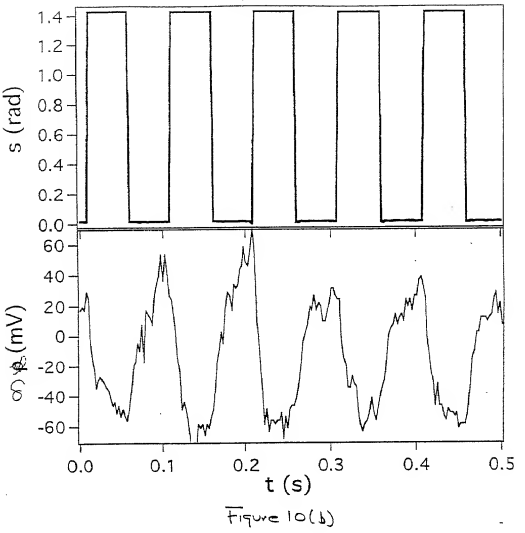
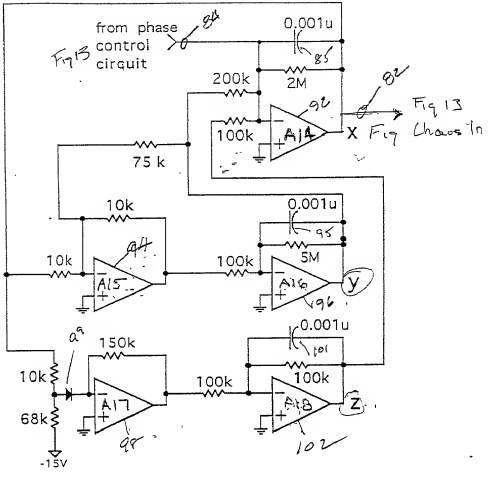


Figure 10(b)

40



Piecewise Linear Rossler (PLR)

Figure 11

Figure 12(a)

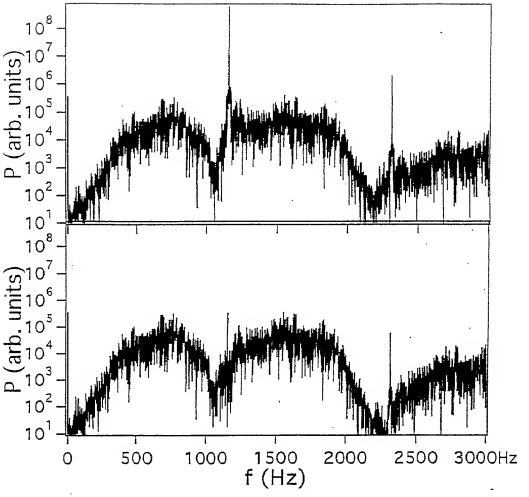
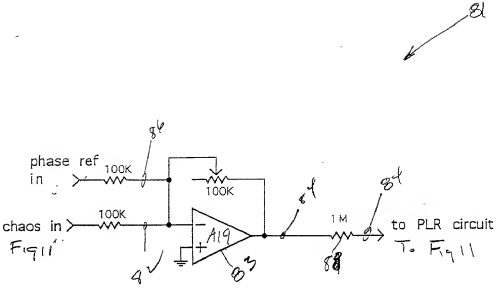
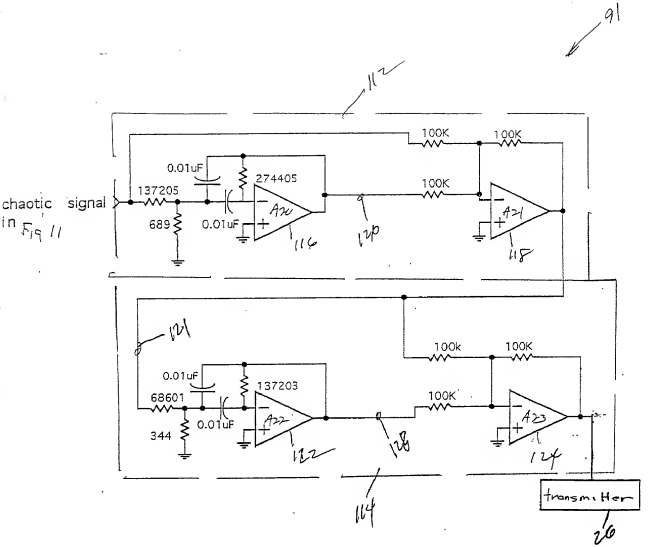


Figure 12(b)



Phase Locking Circuit used with the Chaotic PLR Circuit

Fig 13



Circuit to Remove Periodic Part from Chaotic PLR "x" Signal

Fig 14

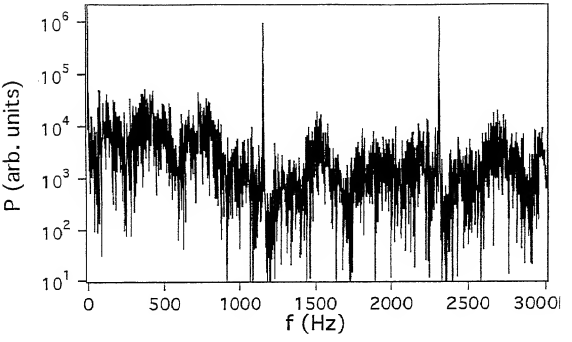

P (arb. units)
10^6
10^5
10^4
10^3
10^2
10^1
0
500
1000
1500
2000
2500
3000
f (Hz)

Fig 15

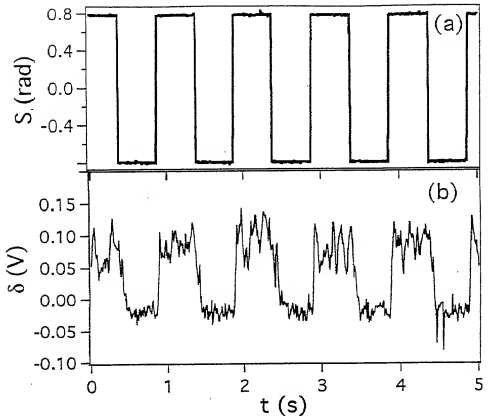


Figure 16

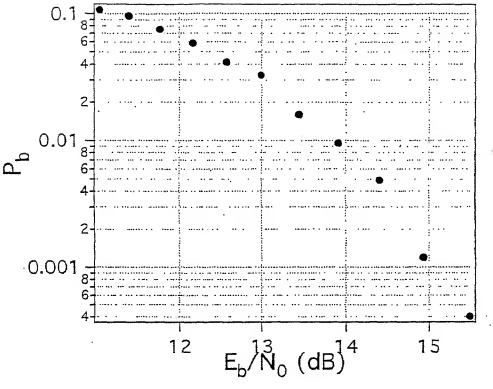


Fig 17

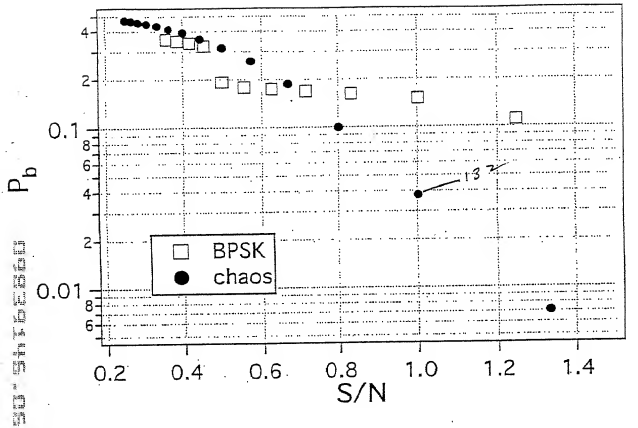


Fig 18